

ATTACHMENT 8

NON-UTILITY PROGRAM DESCRIPTIONS

2004 2005 NON-UTILITY PROGRAMS
(Alphabetically Arranged According to Name of Program Implementer)

1. ADM Associates, Inc.

Mobile Energy Clinic – 1105-04, 1106-04, and 1487-04

PROGRAM IMPLEMENTER(s):	ADM Associates, Inc.
PROPOSED SUBCONTRACTORS:	
IOU SERVICE TERRITORY:	SCE -- 1106-04 SDG&E --1105-04 SoCalGas – 1487-04
GEOGRAPHIC AREA:	SCE, SDG&E and SCG service territories
TARGET MARKET:	Small HTR commercial businesses with less than 5,000 square feet of floor area
IOU CONTRACT ADMINISTRATOR:	SCE
BUDGET APPROVED:	SCE: \$725,460 SDG&E: \$302,275 SoCalGas: \$725,460 Total: \$1,753,195

PROGRAM DESCRIPTION:

This is a direct install program targeted at owners/operators of small commercial businesses occupying buildings of less than 5,000 square feet of floor area, with focus on strip malls, small convenience stores, laundromats and non-chain restaurants. It is modeled on the 2002-2003 PGC-funded program operating in SCE and SoCalGas service territories. It focuses on improving energy efficiency for small HTR businesses by (1) implementing no-cost/low-cost measures and (2) providing diagnostics of energy-using equipment. ADM also tests the performance of HVAC equipment and checks that lighting systems and other energy-using equipment (e.g. water heaters, compressors and process equipment) are being properly used. Owners/mangers will be given a checklist of energy efficiency actions that they can take and are provided assistance in locating financing for such actions.

PROGRAM MODIFICATIONS:

There are no program changes proposed or adopted for 2004 and 2005.

PROGRAM BUDGET AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Targets
SCE	\$725,460	2,113,920	406.1	26,976	1,200 Businesses
SDG&E	\$302,275	880,800	169.2	11,240	500 Businesses
SoCalGas	\$725,460	2,113,920	406.1	26,976	1,200 Businesses
TOTAL	\$1,753,195	5,108,640	981.4	65,192	2,900 Business

2. Alliance to Save Energy

Green Campus Pilot Program – 1425-04, 1426-04, 1427-04

PROGRAM IMPLEMENTER(S):	Alliance to Save Energy
PROPOSED SUBCONTRACTOR(S):	Strategic Energy Innovation Castle Education
IOU SERVICE TERRITORY:	SCE – 1426-04 PG&E – 1427-04 SDG&E – 1425-04
GEOGRAPHIC AREA:	UC/CSU Campuses
TARGET MARKET:	Cross-cutting
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$590,081 SDG&E: \$501,116 PG&E: \$ 778,724 Total: \$ 1,869,921

PROGRAM DESCRIPTION:

This program is modeled on the Alliance to Save Energy Green Schools program but is directed towards university campuses and students. The program develops student led campus energy efficiency outreach programs designed to provide university students as well as administrators, faculty, and systems' managers energy efficiency education.

PROGRAM BUDGETS AND TARGETS:

The specific outreach targets at each campus include:

- 1) Year long planning meetings and an information gathering process

- 2) Energy Kiosks on campus
- 3) Back to School energy efficiency purchasing information brochure for students
- 4) Outreach to local K-12 schools
- 5) Incorporation of energy efficiency into school curricula

3. Alliance to Save Energy Green Schools – 1430-04, 1435-04

PROGRAM IMPLEMENTER(S):	Alliance to Save Energy
PROPOSED SUBCONTRACTOR(S):	Strategic Energy Innovation Castle Education
IOU SERVICE TERRITORY:	SCE – 1430-04 PG&E– 1435-04
GEOGRAPHIC AREA:	
TARGET MARKET:	Cross-cutting
IOU CONTRACT ADMINISTRATOR:	SCE
BUDGET APPROVED	SCE: \$1,513,995 PG&E: \$ 1,101,181 Total: \$ 2,615,176

PROGRAM DESCRIPTION:

This educational program focuses on saving energy in schools and helping students understand the link between energy and the environment through behavior modification, operational changes, and retrofits in school buildings. The program will involve 90 new schools in three geographic areas of SCE and PG&E as well as supporting 32 previously served schools with continuation of their Green Schools program. The school districts in the program participate in developing a baseline of energy use and commit to returning 50 percent of the resulting savings back to the individual schools. The program is comprehensive and is run by students, faculty, custodians and administrators working together to develop an implementation plan that supports their unique educational needs and priorities. The program targets hard-to-reach and underserved areas where customers do not traditionally participate in energy efficiency programs.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets (Therms)	Hard-to-Reach Targets
SCE	\$1,513,995	NA	NA	NA	
PG&E	\$ 1,101,181	NA	NA	NA	
TOTAL	\$2,615,176	NA	NA	NA	

**4. American Synergy Corporation
Comprehensive Hard-to-Reach Mobile Home Program – 1275-04,
1276-04**

PROGRAM IMPLEMENTER(S):	American Synergy Corporation		
PROPOSED SUBCONTRACTOR(S):	CAL-UCONS Inc.		
IOU SERVICE TERRITORY:	SCE – 1275-04 SoCalGas – 1276-04		
GEOGRAPHIC AREA:	Not specified		
TARGET MARKET:	Residential - Mobile Home		
IOU CONTRACT ADMINISTRATOR:	SCE		
APPROVED BUDGET	SCE:	\$2,500,000	
	SoCalGas:	\$ 1,000,000	
	Total:	\$3,500,000	

PROGRAM DESCRIPTION:

This is a continuation of the program funded in 2002-2003. This comprehensive program provides education and no cost installation of the following measures to hard-to-reach residential customers in mobile homes: (a) air conditioning tune-ups; (b) compact fluorescent lamps (CFLs) and hard wired CFL fixtures; (c) low flow showerheads, aerators, and water heater temperature setback; (d) set back thermostats; (e) water heater timers; and (f) enhanced duct sealing. The measures are estimated to provide sustainable energy savings from eight (8) to twenty (20) years.

PROGRAM MODIFICATIONS:

This program was proposed for operation in all four utility service territories. We are accepting it only in SCE and SCG territories. Of the total reduced budget, \$2,500,000 is to be funded from electric public goods charge (PGC) fund and

\$1,000,000 is to be from gas PGC fund. As with the previous program, to ensure that energy efficiency measures do not decrease health/safety of customers, we require that this program be consistent with the minimum safety testing practices of the utility that serves the area in which the measures are being installed.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SCE	\$2,500,000	7,036,373	2,906		
SCG	\$1,000,000	N/A	N/A	468,157	
TOTAL	\$3,500,000	7,036,373	2,906	468,157	NA

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

5. Association of Bay Area Governments (ABAG) Northern California Local Government Energy Partnership – 1112-04

PROGRAM IMPLEMENTER(S):	Association of Bay Area Governments (ABAG)
PROPOSED SUBCONTRACTOR(S):	Energy Solutions Brown, Vence and Associates John Deakin and Associates Local Government Commission Association of Monterey Bay Area Governments (AMBAG)
IOU SERVICE TERRITORY:	PG&E – 1112-04
GEOGRAPHIC AREA:	Within all ABAG and AMBAG counties, except Marin, and any identified transmission-constrained areas adjacent to these counties
TARGET MARKET:	Local governments, including small to medium sized cities (with populations under 250,000), counties, and special districts
IOU CONTRACT ADMINISTRATOR:	PG&E
BUDGET APPROVED	\$2,500,000

PROGRAM DESCRIPTION:

This information-only program will provide technical assistance and information services to small to medium sized cities, counties, and special districts to complete energy efficiency projects in public facilities and to promote energy efficiency within their communities. Local governments in rural areas and those that have large hard-to-reach populations will be specifically targeted. Technical assistance will be offered to local governments in order to help them through the process of completing energy retrofits and developing energy efficiency policies and program initiatives.

PROGRAM MODIFICATIONS:

Because a similar program was approved specifically for Marin County, ABAG is directed to not conduct program activities in that county. The budget for this program was reduced from \$2.8 million to \$2,500,000. We require ABAG to submit a revised budget, with the majority of the reduction taken from the administrative costs, which were considered excessive, and no money taken from the direct implementation budget. We expect that the program should still be able to meet the proposed program goals, even with this reduced budget.

PROGRAM BUDGETS AND TARGETS:

Program goals include:

- 35 local governments enrolled, with at least 15 in hard-to-reach areas.
- 25 benchmarking reports completed, 15 audits applications submitted on behalf of local governments, and sustained technical assistance for 30 governments.
- 15 policy assessments completed, 12 policy initiative implementation packages, and policy adoption services for 5 local governments.
- 6 workshops conducted and 20 referrals for the promotion of statewide programs.

6. ASW Engineering Management Consultants Energy Savers Program – 1086-04

PROGRAM IMPLEMENTER(s):	ASW Engineering Management Consultants
PROPOSED SUBCONTRACTORS:	Geltz Communications
IOU SERVICE TERRITORY:	SCE -- 1086-04
GEOGRAPHIC AREA:	Santa Barbara, Ventura, San Bernardino, and Riverside Counties, and parts of Los Angeles and Orange Counties
TARGET MARKET:	Very small to medium HTR and underserved businesses
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET:	\$3,023,810

PROGRAM DESCRIPTION:

This program is a continuation of the 2003 Energy Savers Program offered in SCE service territory. It targets very small to medium size hard-to-reach and underserved businesses in SCE service territory in Santa Barbara, Ventura, San Bernardino, and Riverside Counties, and parts of Los Angeles and Orange Counties. The targeted sectors include commercial, industrial, institutional, and schools. It offers financial incentives in the form of matching funds for efficient lighting, programmable thermostats, energy-efficient package unit air conditioners, and tune-ups for air-cooled package units and refrigeration systems. It also provides recommendations for energy efficient practices specific to lighting, air conditioning, and refrigeration systems, and other measures.

PROGRAM MODIFICATIONS:

There are no program changes proposed or adopted for 2004 and 2005.

PROGRAM BUDGET AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Targets
SCE	\$3,023,810	9,681,383	2,109	N/A	800 measures

7. BO Enterprises**Moderate Income Comprehensive Attic Program (MICAP) –
1082-04**

PROGRAM IMPLEMENTER(S):	BO Enterprises with Support from RLW Analytics
PROPOSED SUBCONTRACTOR(S):	None
IOU SERVICE TERRITORY:	PG&E – 1082-04
GEOGRAPHIC AREA:	Santa Clara, Alameda, San Mateo, Yuba, Nevada, El Dorado, Placer, San Joaquin and Stanislaus Counties
TARGET MARKET:	Hard-to-Reach Moderate income households with incomes of 400 percent of federal poverty guidelines
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$4,186,783

PROGRAM DESCRIPTION:

This is a residential retrofit program for moderate-income hard-to-reach single family residences. The target sector for program is the HTR moderate income household (defined as 400 percent above federal poverty guidelines), who are ineligible for federal low-income assistance programs, but who often do not have the financial resources to install comprehensive energy efficiency measures, especially attic insulation, in their homes. This is a direct-install program that will provide an array of cost-effective measures to the target audience, including: attic insulation, attic vents, duct seals, AC diagnostics, torchiere lamps, low-flow shower heads, aerators, water heater blankets, water heater pipe wrap, compact fluorescent lighting, programmable thermostats and energy education.

PROGRAM MODIFICATIONS:

None

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
PG&E	\$4,186,783	5,300,058	2,729	631,456	6,000 homes

8. Building Industry Institute Community Energy Efficiency Program - 1099-04

PROGRAM IMPLEMENTER(S):	Building Industry Institute
PROPOSED SUBCONTRACTOR(S):	ConSol; Colorado Energy Group, Inc.
IOU SERVICE TERRITORY:	PG&E – 1099-04
GEOGRAPHIC AREA:	PG&E service territory with significant new construction activity. Most of the program activity will be targeted to the Central Valley.
TARGET MARKET:	Building Contractors through Local Government Building Departments; targeted builders
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$906,052

PROGRAM DESCRIPTION:

This program aims at enlisting local government building departments to participate in providing incentives to builders who submit subdivision plans to the department that demonstrate that the subdivision exceeds California Energy Star requirements. Incentives provided by Community Energy Efficiency Program (CEEP) local government building departments include: faster plan review, expedited field inspections, reduced fees, and recognition. This PG&E proposed program is modeled on a successful implemented in SCE territory in the past.

PROGRAM MODIFICATIONS:

Program budgets and targets have been reduced by one-third from original proposal

PROGRAM BUDGETS AND TARGETS:

The targets for this information-only program include 20 local government jurisdictions in the PG&E service territory enrolled in program, and providing incentives to builders

9. The Building Industry Institute (BII)

Building Energy Code Training - 1100-04, 1101-04, 1102-04

PROGRAM IMPLEMENTER(S):	The Building Industry Institute (BII)
PROPOSED SUBCONTRACTOR(S):	ConSol
IOU SERVICE TERRITORY:	SCE – 1100-04 SDG&E – 1102-04 PG&E – 1101-04
GEOGRAPHIC AREA:	PG&E, SCE & SDG&E utility service territories
TARGET MARKET:	Builders, Building Officials and their inspectors
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 724,842 SDG&E: \$ 181,210 PG&E: \$1,000,000 Total: \$1,906,052

PROGRAM DESCRIPTION:

This Building Industry Institute (BII) proposal for 2004-2005 Building Code and Standards Support is an Information-Only program to train production builders and local governments (building departments) in the proper implementation of the California Residential Energy Efficiency Standards (Title 24), methods and programs to exceed these Standards, and upcoming changes to the residential 2005 Title 24 Standards proposed for implementation in 2006. The proposed training is an extension and improvement upon the existing BII Builder Energy Code Training (BECT) program. The program is designed to change builder practices from not meeting the Title 24 requirements, to meeting them.

PROGRAM MODIFICATIONS:

None

PROGRAM BUDGETS AND TARGETS:

Targets: Program targets are as follows: (1) Train staff from production builders: 681 staff from 86 companies; (2) Train building department staff - 29 building departments; (3) As a direct result of builder and building department training, Improve compliance with Title 24, capturing at least a 6% improvement in heating, cooling, and water heating as measured by Title 24 for the average participating builder's homes; (4) Train builders and building department staff in the 2005 Title 24 improvements and encourage builders to use early adoption of the quality-construction and lighting portions of the 2005 Standards; (5) Inform

builders of the IOU Statewide programs for Energy Star Homes and encourage participation.

Budget: \$1,812,104 for 3 IOU Territories

While the program is an information only program. The impact of this program is expected to increase the efficiency of approximately 17,280 homes by 6%, which equates to 2,245,571 kWh per year savings. This will also provide an estimated 1432.17 peak load savings due to the improved cooling efficiency in these homes.

10. California Building Performance Contractors Association California Retrofit Home Performance Program, Phase 2 – 1398-04

PROGRAM IMPLEMENTER(S):	California Building Performance Contractors Association
PROPOSED SUBCONTRACTOR(S):	Bevilacqua-Knight, Inc; Performance Systems Development, Inc.; Chitwood Energy Systems, Inc.; Solem & Associates; Adrising, Inc.; Home Energy Magazine
IOU SERVICE TERRITORY:	PG&E – 1398-04
GEOGRAPHIC AREA:	PG&E service territory - Central Valley, including Fresno, Stockton-Lodi, Merced, Davis-Willows and Redding urban areas.
TARGET MARKET:	Residential existing home market
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$ 1,983,761

PROGRAM DESCRIPTION:

This program is a Phase Two expansion of the 2002-03 Information-Only Residential Retrofit Whole House Program implemented by the California Building Performance Contractors Association. It targets the very large and mostly underserved existing home market. The program trains residential specialty contractors in “whole house contracting,” in which all energy efficiency deficiencies (and related problems such as combustion safety, moisture, comfort and air contaminants) are identified through extensive testing and remedied, typically including both HVAC system equipment and building shell improvements. Contractors market the program to customers, with expected significant energy-savings from this information only effort.

PROGRAM MODIFICATIONS:

None

PROGRAM BUDGETS AND TARGETS:

Targets include: (1) Conduct 10 contractor training cycles; (2) Train at least 50 additional professionals in whole-house principles and diagnostics; (3) Of the contractors with personnel completing the technical training, train at least 40 contractors in whole-house business and marketing best practices; (4) Expand service from the 2002-03 program effort gradually to at least three other large urban areas in the San Joaquin Valley; (5) Develop public awareness and at least 300 new customer leads for the new contractors, and support contractor efforts in effective marketing of their own; (6) Demonstrate that the business trajectory of the existing and new 2004-05 program's trained contractors is likely to reach a goal of at least 5 million kWh and 100,000 therms in energy savings per year by the end of the 2004-05 program term; (7) As the number of contractors grows, establish a substantial dues-paying contractor membership base to defray costs of future technical support and quality assurance for those contractors.

11. Cal State University, Chico
Nonresidential Fenestration Certification Initiative (NFCI) –
1227-04; 1496-04; 1497-04; 1498-04

PROGRAM IMPLEMENTER(S):	Cal State University, Chico; Chico Research Foundation (CSUCRF); with the NFRC in partnership with the California Glass Association
PROPOSED SUBCONTRACTOR(S):	National Fenestration Rating Council (NFRC)
IOU SERVICE TERRITORY:	SCE – 1496-04 SDG&E – 1498-04 SoCalGas – 1497-04 PG&E – 1227-04
GEOGRAPHIC AREA:	Statewide; HTR focus in areas other than San Francisco Bay Area, San Diego Metropolitan Area, Los Angeles Basin, and Sacramento Metropolitan Area
TARGET MARKET:	Upstream nonres window manufacturers, suppliers and distributors; installers of fenestration products, builders, architects and design teams, building officials, HTR C-17 glazing contractors
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 308,859 SDG&E: \$ 130,064 SoCalGas: \$ 92,486 PG&E: \$ 413,013

	Total: \$ 944,422
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PROGRAM DESCRIPTION:

This is a two-year (2004-2005) information only codes and standards support project designed to facilitate and encourage conformance with the California Energy Commission (CEC) emergency Title 24 standards (of 2001 and 2005) through a comprehensive program of outreach, tailored trainings, and precision technical assistance efforts. Recent changes in Title 24 specify that site-built fenestration units in large commercial buildings (over 10,000 sq. ft) be certified and be National Fenestration Rating Council (NFRC) labeled. The purpose of this program is to bridge the current information gap that exists by identifying key actors in the nonresidential fenestration industry and in code enforcement agencies and provide them with meaningful information, training and technical assistance.

PROGRAM MODIFICATIONS:

None

PROGRAM BUDGETS AND TARGETS:

Budget: The overall budget for the four IOU service territories for this project is \$944,422. Specific budgets for each of the utility service territories are: PG&E – \$413,013; SCE – \$308,859; SDG&E – \$130,064; SCG – \$92,486

Targets: This information program has set objectives of: (1) providing 212 on-site training sessions for manufacturers, contractors, and building officials; (2) presenting the program at 42 professional meetings with a goal of directly informing/impacting 1096 key actors in the market stream of up to 443 businesses; (3) increasing participation in the IOU “Savings By Design” Program by making over 200 project referrals; (4) increasing substantially the knowledge of market actors by demonstrating an average 25 percent improvement in scores on knowledge measurement and inventories administered before and after each training session; (5) reach 5000 industry participants with informational mailings

**12. California Urban Water Conservation Council
Pre-rinse Spray Head Installation Program for the Food Service
Industry - PHASE 2 –
1198-04, 1200-04**

PROGRAM IMPLEMENTER(S):	California Urban Water Conservation Council
PROPOSED SUBCONTRACTOR(S):	Maureen Erbeznik and Associates Koeller and Company

	Honeywell DMC Services, Inc. Fisher Nickel Inc., aka Food Service Technology Center (FSTC)
IOU SERVICE TERRITORY:	SoCalGas – 1200-04 PG&E – 1198-04
GEOGRAPHIC AREA:	SoCalGas and PG&E Service Territories that Overlap with Participating Water Authorities
TARGET MARKET:	Nonresidential – Small to Medium Sized Food Service Facilities
IOU CONTRACT ADMINISTRATOR:	SoCalGas
APPROVED BUDGET by SERVICE TERRITORY	SoCalGas: \$ 2,254,162 PG&E: \$ 976,123 Total: \$ 3,230,285

PROGRAM DESCRIPTION:

This is a continuation of a program that was approved by the Commission for the 2002-2003 program years. It is a direct-install incentive-based program replaces high water use pre-rinse spray valves with more efficient models at food service facilities: restaurants, cafeterias, institutional kitchens and food preparation companies. There will be no cost to the participants and water utilities throughout the state will contribute a portion of the funds for program implementation. This program targets hard-to-reach customer in both urban and rural settings.

PROGRAM MODIFICATIONS:

To ensure energy savings and encourage widespread use of the program, only spray valves using hot water may be replaced. In addition, a revised proposal will need to be submitted that includes specifications regarding the minimum gpm spray rinsers that are eligible for replacement, as the proposal does not provide this information, although assumptions were made for purposes of the cost effectiveness calculations.

In addition, in order to provide for increased equity between public purpose charge contributors, for 75% of sites serviced, no more than five (5) facilities under the same ownership may participate in this program, this is an increase from the limit of three that was imposed on the previous program. We will consider this as attaining the 75% hard to reach target listed in the table below. For the remaining 25% of sites, we will not impose the ownership limit, so long as the facilities served are for medium to large customers.

Only considering the materials and installation, the per unit cost of each unit is \$90. It appears that there is profit for Honeywell rolled into both the marketing (at a per unit cost of \$40) and the installation. This is not in accordance with the reporting requirements that have been established for program implementers. A revised proposal will be required that details the costs per the reporting requirements that all implementers are required to follow, and any profit sought by subcontractors will need to be withheld until a decision is made by the Commission regarding the performance award. Any budget amounts beyond the maximum allowable performance award shall be redirected toward product and installation costs for an increased number of spray heads.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (Therms)	Number of Spray heads Targeted for Replacement	Hard-to-Reach Targets
SoCalGas	\$ 2,254,162	3,926,870	11,722	75%
PG&E	\$ 976,123	1,700,460	5,076	75%
TOTAL	\$3,230,285	5,627,330	16,798	

13. Center for Irrigation Technology, California State University at Fresno Agricultural Pumping Efficiency – 1434-04, 1428-04, 1418-04

PROGRAM IMPLEMENTER(S):	Center for Irrigation Technology, California State University at Fresno
PROPOSED SUBCONTRACTOR(S):	NA
IOU SERVICE TERRITORY:	SCE – 1434-04 SoCalGas – 1428-04 PG&E – 1418-04
GEOGRAPHIC AREA:	Service Territories of SCE, SoCalGas and PG&E
TARGET MARKET:	Nonresidential - Agriculture
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 501,500 SoCalGas: \$ 335,240 PG&E: \$ 2,000,000 Total: \$ 2,836,740

PROGRAM DESCRIPTION:

This is an incentive-based program that been run for many years by the program implementer under the auspices of a number of program administrators. Most recently the program was approved by the Commission through the local program solicitation for PY2002 and 2003. This program provides technical support and financial assistance in order to encourage the agricultural industry to adopt more energy efficient pumping systems, maintenance and operation. Incentives will be provided for equipment testing, repair and retrofitting.

The rebate is based on an estimate of the first year expected kwh savings at the rate of \$.10/kwh. Rebate amounts will vary depending on the annual energy use of the pumping plant and in some cases, the actual improvement in pump efficiency. The proposal should be consulted for a full description of how the rebates will be calculated. The current average rebate for the currently operating program is \$3,336. This represents about 26% of the average project cost. An average rebate of \$3,350 was used in this proposal.

PROGRAM MODIFICATIONS:

This program was proposed for all four service territories. It is not approved for SDG&E's territory since the number of projects proposed for that area are very few. The budget for PG&E's territory has been reduced by over \$4.5 million from that proposed. The other proposals are approved as proposed.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Pump Retrofit and Repair Unit Goal
SCE	\$501,500	2,071,875	0	0	65
SoCalGas	\$ 335,240	0	0	43,875	26
PG&E*	\$ 2,000,000	4,858,311	0	13,374	260
TOTAL	\$ 2,836,740	6,930,186	0	57,249	351

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

14. City of Berkeley**California Youth Energy Services – 1462-04**

PROGRAM	City of Berkeley
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IMPLEMENTER(S):	
PROPOSED SUBCONTRACTOR(S):	Rising Sun Energy Center
IOU SERVICE TERRITORY:	PG&E – 1462-04
GEOGRAPHIC AREA:	Oakland, Berkeley, Albany, Emeryville, Richmond, El Cerrito
TARGET MARKET:	Single Family Residential Hard-to-Reach
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$ 376,022

PROGRAM DESCRIPTION:

This program will train youth to perform energy audits and low cost energy efficiency upgrades in single-family residences in their area. The youth trained under this program will be hired from underprivileged areas of the east bay where they will offer and perform the audits and upgrades. The program will provide free of charge energy audits and low cost energy efficiency upgrades to single family residential customers, as well as recommending additional energy efficiency upgrades, and directing customers to available rebates for those measures offered by other programs.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets (Therms)	Hard-to-Reach Targets
PG&E	\$ 376,022	0	0	0	

**15. City of Davis on behalf of Yolo County Partnership
Yolo Energy Efficiency Project-1 (YEPP-1) - 1079-04**

PROGRAM IMPLEMENTER(S):	City of Davis on behalf of Yolo County Partnership
PROPOSED SUBCONTRACTOR(S):	Valley Energy Efficiency Corporation
IOU SERVICE TERRITORY:	PG&E-1079-04
GEOGRAPHIC AREA:	Yolo County, especially West Sacramento, Woodland, Winters, and Davis; also unincorporated areas

TARGET MARKET:	RES: Low & Moderate Income, Spanish and Russian-speaking, rural MF & Mobile Home, renters; COMM: Very small, rural, leased facility, Spanish-speaking
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$1,966,647

PROGRAM DESCRIPTION:

YEEP, a partnership of Yolo County and its municipal governments, will use community-based outreach to contact and involve local communities more successfully than previous programs. This hardware-incentive program will serve residential, multifamily, and commercial customers and will address lighting, cooling, and building envelope needs. Most residential measures are available free-of-charge. Rebates are paid to commercial retrofit customers on a kWh savings basis. YEEP will expand a predecessor program of the Davis Energy Efficiency Project (DEEP) throughout Yolo County.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets (Therms)	Hard-to-Reach Targets
PG&E	\$1,966,647	6,523,513	1,550	0	

**16. City of Davis on behalf of Yolo County Partnership
Yolo Energy Efficiency Project-2 (YEEP-2) - 1224-04**

PROGRAM IMPLEMENTER(S):	City of Davis on behalf of Yolo County Partnership
PROPOSED SUBCONTRACTOR(S):	Valley Energy Efficiency Corporation
IOU SERVICE TERRITORY:	PG&E-1224-04
GEOGRAPHIC AREA:	Yolo County, especially West Sacramento, Woodland, Winters, and Davis, as well as unincorporated areas
TARGET MARKET:	RES: Low & Moderate Income, Spanish and Russian-speaking, rural MF & Mobile Home, renters; COMM: small, rural, and urban leased facilities; Spanish- and Russian-speaking

IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$1,213,548

PROGRAM DESCRIPTION:

YEEP, a partnership of Yolo County and all its municipal governments, is cross-cutting program that will serve residential, multifamily, and commercial customers and which will address lighting, cooling, and building envelope needs, as well as energy use in agricultural pumping. YEEP-2 will complement YEEP-1 with an information-only/market transformation program which will involve intensive and broad outreach to the public through training sessions, tabling, canvassing, mailers through local governments, special promotions. Activities will extend the successful beginning of the Davis Energy Efficiency Project (DEEP) and PG&E programs—with PG&E's cooperation-- throughout Yolo County. YEEP-2 will also support incubator projects on natural cooling and whole house fans; as well as a multi-family energy/water pilot project for multi-family buildings.

PROGRAM TARGETS:

It is expected that energy education will be provided to each household and business in the County in the duration of the program. Program goals include:

- 120 tabling/booth events
- 30 residential presentations and 15 commercial presentations focusing on energy education
- website education with updated fact sheets and educational articles
- reach all 65,000 households through direct mailing

17. County of Marin, Community Development Agency

Marin Public Facilities Energy Management Team – 1433-04

PROGRAM IMPLEMENTER(S):	County of Marin, Community Development Agency
PROPOSED SUBCONTRACTOR(S):	Strategic Energy Innovation (SEI) HMW International, Inc. (HMW) Bart Wallace, CEM, CLEP KW Engineering Utility Management Services
IOU SERVICE TERRITORY:	PG&E
GEOGRAPHIC AREA:	Marin County
TARGET MARKET:	Public Facilities of Marin County's 12 local governments and all 74 schools in 19 school districts

IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$742,319

PROGRAM DESCRIPTION:

This is an information program that includes (1) scoping audits to determine the level of energy efficiency management integration and awareness, (2) energy accounting software and services for facility benchmarking, energy use and demand, (3) energy efficiency training and team building to teach energy efficiency fundamentals to facility managers, (4) initial facility audits to identify and prioritize opportunities for energy efficiency, (5) energy efficiency design and engineering assistance to perform more detailed audits, (6) shared energy management services to provide assistance for energy efficiency management, (7) demonstration classroom and office to showcase state of the art energy efficiency products currently available, and (8) monitoring and reporting through energy accounting system to ensure projected savings are achieved and maintained.

PROGRAM MODIFICATION:

The cost breakdown and number of audits, walkthroughs and other activities should be indicated in the workbook and discussed fully in the narrative

PROGRAM BUDGETS AND TARGETS:

Established Energy Accounting System	50% Participation
Contact	100% of 12 Local Governments, 19 school districts
Scoping Surveys	80%
Facility Audits	60%
Workshops	8
Peer Networks	60% of target audience
EE Management Teams	Where appropriate more than 60% success in forming them
On call Assistance	Requests served by EMT, requests served by leveraging other programs, requests unable to service
Capital Budgets Reviewed	60%, also quantify opportunities, impact of review of 5 yr plans may not be measurable within the timeframe of this program
Demonstration Classroom/office	1 each completed

**18. Ecology Action of Santa Cruz
RightLights-1445-04**

PROGRAM IMPLEMENTER(S):	Ecology Action of Santa Cruz
PROPOSED SUBCONTRACTOR(S):	Center for Energy and Environment; Stan Walerczyk / Lighting Wizards; Community Environmental Council (Central Coast)
IOU SERVICE TERRITORY:	PG&E – 1445-04

GEOGRAPHIC AREA:	Santa Cruz, Monterey, San Benito, Santa Clara, and San Mateo counties
TARGET MARKET:	Small and very small businesses with less than 500 KW demand
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$5,000,000

PROGRAM DESCRIPTION:

RightLights is a multilingual program that installs comprehensive, turnkey lighting retrofits, as well as pre-rinse spray nozzles (food service only), and provides information-only resources on refrigeration, HVAC, and motors efficiency measures to nonresidential customers with less than 500 kW demand. The primary purpose of the program is to deliver persistent and sustainable energy savings at the lowest possible cost to a small business customer group that has historically been hard-to-reach and hence underserved by current programs.

PROGRAM MODIFICATIONS:

The initial proposal called for implementation of the effort in 11 counties. We reduce the scope of this effort to Santa Cruz and adjacent counties to allow for a paced ramp-up of the program over a larger service area. Based on Ecology Action comments that the program effort would likely be more effective in San Mateo county than in San Luis Obispo, we remove San Luis Obispo from the program target list and add San Mateo county. Ecology Action also argues in their comments that a need exists to further reduce electric and natural gas energy savings targets due to “economies of scale” benefits and target market benefits (natural gas) that have been reduced or lost based on the Commission’s program modifications. In this decision, we accept the reduced savings figures. We base our acceptance, however, on Ecology Action of Santa Cruz’s presentation to Energy Division – and acceptance by the Energy Division – in the revised program implementation plan (PIP) of adequate documentation of the need for reducing these savings. Without such document, we will expect Ecology Action to meet the original goals set by the Commission for this program activity. Program budgets and goals have been reduced by \$8,014,969 to align with the reduction in program service area.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-To-Reach Targets
PG&E	\$5,000,000	16,279,104	4,070	65.192	100 percent HTR customer base in rural counties, and 66 percent in urban areas

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

19. Energy Solutions

LightWash – 1225-04

PROGRAM IMPLEMENTER(S):	Energy Solutions
PROPOSED SUBCONTRACTOR(S):	None
IOU SERVICE TERRITORY:	PG&E
GEOGRAPHIC AREA:	SF Peninsula, East Bay, North Bay, South Bay, & Central Valley
TARGET MARKET:	Residential Multi-Family & Very Small Nonresidential
IOU CONTRACT ADMINISTRATOR:	PG&E
BUDGET APPROVED	\$1,448,287

PROGRAM DESCRIPTION:

This is a continuation of the 2002-03 program that provides incentives for the installation of energy and water efficient commercial washers in non-single family residential properties and for lighting and boiler systems incentives in coin laundry stores (e.g., Laundromats). It partners with California water utility industry to implement this program.

PROGRAM MODIFICATIONS:

None.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Target (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets* (Therm)	Unit Goals*
PG&E	\$1,448,287	1,980,288	284	314,773	34,500

*Include: 2,300 washers, 200 lighting, & 32,000 instantaneous water heater boiler goals.

20. Energy Design Tools Group, UCLA, Department of Architecture
HEED, Home Energy Efficient Design – 1067-04; 1068-04

PROGRAM IMPLEMENTER(S):	Energy Design Tools Group, UCLA, Department of Architecture
PROPOSED SUBCONTRACTOR(S):	CTG Energetics.
IOU SERVICE TERRITORY:	SDG&E (1067-04); PG&E (1068-04)
GEOGRAPHIC AREA:	SDG&E & PG&E service territories
TARGET MARKET:	Residential
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET	
SDG&E	\$100,668
PG&E	\$318,711
Total	\$419,379

PROGRAM DESCRIPTION:

This is an information program. It provides an easy-to-use energy design tool that shows California's residential customers the energy cost savings of remodel, repair and redesign decisions for their homes. This tool calculates indoor electric lighting levels for each hour of the year as a function of outdoor sunlight, window size, orientation, and room depth. All of this is used to calculate how the home's electric lighting load is reduced by daylight availability.

PROGRAM MODIFICATION:

The program requirement of 26 MB of disk space and 64 MB of RAM may be a hurdle to many potential participants, especially apartment dwellers. The program should consider whether computer requirement could be reduced or whether an Internet based-version of the model where nothing is downloaded for dial-up customers may be made available for all program participants.

PROGRAM BUDGETS AND TARGETS:

The implementers plan to measure program success through readers of print media, participants in the workshops, and number of copies of HEED that are downloaded

21. EnSave Energy Performance, Inc
California Multi-Measure Farm Program – 1354-04 and 1360-04

PROGRAM IMPLEMENTER(S):	EnSave Energy Performance, Inc.	
PROPOSED SUBCONTRACTOR(S):	None	
IOU SERVICE TERRITORY:	SCE – 1360-04 PG&E – 1354-04	
GEOGRAPHIC AREA:	5 Counties in SCE service territory 28 Counties in PG&E service territory	
TARGET MARKET:	PG&E and SCE dairy producers including those described as hard-to-reach.	
IOU CONTRACT ADMINISTRATOR:	PG&E	
APPROVED BUDGET by SERVICE TERRITORY	SCE:	\$145,053
	PG&E:	\$578,928
	Total:	\$723,981

PROGRAM DESCRIPTION:

This program promotes the installation of energy efficient measures with cash incentives to dairy producers served by the PG&E and SCE service territories. Producers will be contacted by EnSave and other agricultural community members to inform of program offerings. EnSave will educate dairy producers of other PG&E and SCE energy efficiency programs.

The hardware/incentive component promotes measures such as variable speed drives on equipment such as milking vacuum pumps, plate coolers, compressor heat recovery units to provide energy and demand savings. Incentives are set at levels effective in motivating producers to evaluate and install energy efficiency equipment.

PROGRAM MODIFICATIONS:

This program is approved without modification for the SCE and PG&E service territories.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SCE	\$145,053	807,750	175	0	100%
PG&E	\$578,928	3,197,250	693	0	100%
TOTAL	\$723,981	4,005,000	868	0	100%

22. FCI Management Consultants**Emerging Communities Energy Efficiency Program – 1396-04**

PROGRAM IMPLEMENTER(S):	FCI Management Consultants
PROPOSED SUBCONTRACTOR(S):	Davison Jones CPA Express Efficiency Express
IOU SERVICE TERRITORY:	SCE – 1396-04
GEOGRAPHIC AREA:	Los Angeles
TARGET MARKET:	Small Non-residential
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET	\$ 2,000,000

PROGRAM DESCRIPTION:

This program targets hard to reach small businesses in the primarily minority and low-income areas of Los Angeles. The program provides these businesses with no cost energy audits as well as direct install services for lighting and HVAC tune-up measures. The program will also direct customers to available Express Efficiency rebates that are not eligible under this program. The program will leverage community based organizations and community members to market this program.

PROGRAM MODIFICATIONS:

The program should coordinate with other non-residential programs that may be operating in this area. The program should ensure that all areas targeted and served by this program are within SCE jurisdiction. The budget for this program has been reduced and various costs may need to be adjusted to reflect budget change.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SCE	\$2,000,000	6,041,231	1,430	0	

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

23. Frontier Associates Green Building Technical Support – 1414-04

PROGRAM IMPLEMENTER(S):	Frontier Associates
PROPOSED SUBCONTRACTOR(S):	Austin Energy for Environmental Technology Center What's Working Green Resource Center
IOU SERVICE TERRITORY:	PG&E – 1414-04
GEOGRAPHIC AREA:	Bay Area
TARGET MARKET:	Residential New Construction
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$ 1,131,931

PROGRAM DESCRIPTION:

This program is a continuation of a similar program funded in 2002-2003. It will continue to build and support the Green Affordable Housing Coalition, which is an information source on Green Building techniques to be used by affordable housing developers and public agencies. The program will train custom builders, remodelers, and affordable housing developers on Green Building techniques. It will also provide education on Green building techniques in the form of demonstration processes and targeted information outreach to potential homebuyers.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets (Therms)	Hard-to-Reach Targets
PG&E	\$ 1,131,931	NA	NA	NA	

24. Global Energy Partners, LLC

Certified Organic Farmer Energy Efficiency Program – 1473-04

PROGRAM IMPLEMENTER(S):	Global Energy Partners, LLC
PROPOSED SUBCONTRACTOR(S):	California Certified Organic Farmers
IOU SERVICE TERRITORY:	PG&E – 1473-04
GEOGRAPHIC AREA:	Program to target rural areas of PG&E service territory.
TARGET MARKET:	Hard-to-reach small rural, agricultural customers, including, but not limited to, certified organic farms.
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$1,500,542

PROGRAM DESCRIPTION:

This hardware/incentive program assists rural farmers in PG&E service territory to become more energy-efficient and productive. Energy savings will be realized through a series of on-site energy audits and subsequent hardware installations. Marketing materials and assistance will be provided in English and Spanish.

Recommended measures to be installed include exterior and interior lighting, motors, refrigeration, fans, pumping systems, heating ventilation air conditioning and food processing. Incentives for qualifying projects will be provided on a first-come, first-served basis. The incentive structures will be based on 50-50 cost-sharing.

PROGRAM MODIFICATIONS:

The eligibility requirements of this program are modified to include small, non-organic farmers.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
PG&E	\$1,500,542	3,735,662	1,017	258,960	

**25. Global Energy Services, Inc. (GES)
Chinese Language Efficiency Outreach –
1366-04, 1494-04, &1495-04**

PROGRAM IMPLEMENTER(s):	Global Energy Services, Inc. (GES)
PROPOSED SUBCONTRACTORS:	IVU Pictures, Technable, Inc.
IOU SERVICE TERRITORY:	SCE -- 1366-04 SoCalGas – 1495-04 PG&E – 1494-04
GEOGRAPHIC AREA:	Los Angeles and Orange Counties, and San Francisco Bay Area
TARGET MARKET:	HTR residential and non-residential Chinese-language customers, especially the low and medium income group
IOU CONTRACT ADMINISTRATOR:	SCE
BUDGET APPROVED:	SCE: \$ 507,889 SoCalGas: \$ 141,841 PG&E: \$ 507,889 Total: \$1,157,619

PROGRAM DESCRIPTION:

This is an informational program, targeting the 'Hard-To-Reach' Chinese residential and non-residential consumers. The program elements consist of but not limited to, the following:

- (1) Professionally produced 10-minute television drama with energy efficiency message as backdrop;
- (2) Radio and newspaper campaign;
- (3) Toll-free hotline number for energy efficiency audits and provide program and rebate information;
- (4) In-language targeted energy efficiency workshops providing low and no cost energy efficiency information, State, utility, and 3rd party energy efficiency programs
- (5) Participation in community events to create a community energy efficiency presence.
- (6) Dedicated Chinese language energy efficiency website.
- (7) Coordination with local schools to produce energy efficiency drama to be presented in community events.

PROGRAM MODIFICATIONS:

GES proposed this program as a statewide marketing and outreach program. With 80% of the Chinese population concentrated in the greater Los Angeles, Orange County area and the San Francisco Bay area, we believe that it would be most effective to deliver this program to areas with the highest concentration of Chinese-speaking customers. GES should file revised workbooks for each of the three utilities to reflect this change.

Additionally, we applaud GES' innovation to produce a 10-minute energy efficiency drama to be aired on Chinese television stations. However, we believe that program funding would be effectively spent on other program activities such as increase the number of energy efficiency workshops or community events.

PROGRAM BUDGET AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Targets
SCE	\$507,889	0	0	0	See Plan
SCG	\$141,841	0	0	0	See Plan
PG&E	\$507,889	0	0	0	See Plan
Total	\$1,157,619	0	0	0	

*Minimum expectations based upon budget and pending program implementation plan finalization.

26. H&L Energy Savers Performance 4 – 1066-04

PROGRAM IMPLEMENTER(S):	H&L Energy Savers
PROPOSED SUBCONTRACTOR(S):	Kodiak Enterprises
IOU SERVICE TERRITORY:	SCE – 1066-04
GEOGRAPHIC AREA:	Outside LA Basin
TARGET MARKET:	Older Residential Single Family
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 2,182,945

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PROGRAM DESCRIPTION:

This program offers no cost energy audits and financial incentives for energy efficiency measures for residential single family homes. The program provides a free audit, performed by an independent contractor not affiliated with installation contractors. Upon completion of the audit and acceptance by customers the program will provide a financial incentive for various energy efficiency measures that the customer agrees to install in their home. The measures eligible for rebates under this program include ceiling and wall insulation, HVAC diagnostics, duct testing and sealing, whole house fans, programmable thermostats, faucet aerators, low flow shower heads, water heater pipe insulation, and CFL lamps.

PROGRAM MODIFICATIONS:

This program will need to coordinate closely with other residential incentive programs to ensure there is no double dipping. As well there will need to be strong quality control on measures that may have performed in the past on homes such as duct testing and sealing. This program is also expected to maintain the pre-specified budget incentive amounts to ensure that homes are receiving a balanced set of efficiency measures, and not just cream skimming on the cheapest ones.

	Program Budget	Energy Reduction Targets (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets (Therms)	Hard-to-Reach Targets
SCE	\$2,182,945	2,112	4,556,975	646,853	
TOTAL	\$2,182,945	2,112	4,556,975	646,853	

27. Heschong Mahone Group, Inc
Designed for Comfort, Efficient Affordable Housing -
1146-04, 1147-04, 1148-04, 1149-04

PROGRAM IMPLEMENTER(S):	Heschong Mahone Group, Inc.
PROPOSED SUBCONTRACTOR(S):	Pat Davis Design Group
IOU SERVICE TERRITORY:	SCE – 1147-04

	SDG&E – 1149-04 SoCalGas – 1148-04 PG&E – 1146-04
GEOGRAPHIC AREA:	Statewide – Areas Under Housing Authority Jurisdiction
TARGET MARKET:	Residential – Section 8 Housing Authorities and Recipients
IOU CONTRACT ADMINISTRATOR:	SoCalGas
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 846,234 SDG&E: \$ 357,306 SoCalGas: \$ 257,894 PG&E: \$ 1,104,128 Total: \$ 2,565,562

PROGRAM DESCRIPTION:

This is a statewide, local government program that will target housing authorities and the existing residential affordable housing building stock. The proposed program is based on the current CPUC-funded third-party program called “Efficient Affordable Housing,” 0255-02. Hescong Mahone has proposed a number of design and implementation changes based upon their experience with the current program. The primary target of the energy efficiency direct incentives is affordable-qualified buildings, including those with at least 10% occupancy by Section 8 housing voucher tenants, Section 202-funded (and other HUD-financed) apartment buildings, and projects previously constructed or rehabilitated using Tax Credit and Bond financing. The targeted participants will have the following characteristics: multifamily buildings, renters, and a large percentage of the projects and housing authorities will be in rural areas. As a new requirement for this year’s program, only projects within the jurisdictions of housing authorities that have adopted or are intending to adopt a second tier utility allowance schedule will be allowed to participate.

PROGRAM MODIFICATIONS:

None. This program is approved as proposed. There is no need for a revised proposal prior to contract signing.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Number of Housing Authorities Targeted
SCE	\$ 846,234	312,282	366	25,998	Assistance: 4 Implementation: 1
SDG&E	\$ 357,306	131,744	154	10,978	Assistance: 1 Implementation: 1
SoCalGas	\$ 257,894	94,950	111	7,901	Assistance: 1 Implementation: 1
PG&E	\$ 1,104,128	407,232	477	33,899	Assistance: 4 Implementation: 2
TOTAL	\$ 2,565,562	946,208	1108	78,776	Assistance: 10 Implementation: 5

28. ICF Consulting**Partnership for Energy Affordability in Multi-family Housing – 1211-04**

PROGRAM IMPLEMENTER(S):	ICF Consulting
PROPOSED SUBCONTRACTOR(S):	LISC NPH (incl. California Coalition for Rural Housing) SEI KW Engineers GRID Alternatives Center for Energy and Environment
IOU SERVICE TERRITORY:	PG&E – 1211-04
GEOGRAPHIC AREA:	San Francisco Bay Area Central Valley
TARGET MARKET:	Residential - Multifamily
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$ 3,010,017

PROGRAM DESCRIPTION:

This is a continuation of a program selected by the Commission for the PY2002 and 2003 funding cycle. It will be run by ICF Consulting, in conjunction with its

partners, Non-Profit Housing of Northern California (NPH), the Local Initiatives Support Corporation (LISC), Strategic Energy Innovations (SEI), the California Coalition for Rural Housing (CCRH), GRID Alternatives and kW Engineering. The Partnership, branded as “Energy Action,” promises to deliver a comprehensive portfolio of technical, financial and training services to developers, owners and managers of affordable multi-family housing in the Bay Area and targeted areas of the Central Valley. The program will offer both prescriptive and customized rebates and short-term financing to eliminate defined barriers to energy efficiency investment that ICF encountered during the 2002-2003 program.

PROGRAM MODIFICATIONS:

We eliminate the Public Housing Authority Two-tier Allowance program component as it appears to compete with the primary offering of the Heschong-Mahone (HMG) program (1146-04) that we are also approving for PG&E’s service territory. ICF should redirect the \$54,000 earmarked for that activity to its budget for measure incentives. ICF should make a special effort to coordinate its activities with those of HMG.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Goals
\$ 3,010,017	1,578,277	1,070	200,902	Audits: 60 Detailed Surveys: 25 On-call Diagnostics: 60 Operations and Maintenance Training: 4 Property Manager Training: 8

29. Insync Energy in Association with the Cities of San Joaquin County

San Joaquin Comprehensive Energy Efficiency Program - 1423-04

PROGRAM IMPLEMENTER(S):	Insync Energy in Association with the Cities of San Joaquin County
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PROPOSED SUBCONTRACTOR(S):	ADM Associates
IOU SERVICE TERRITORY:	PG&E – 1423-04
GEOGRAPHIC AREA:	Targets Cities of Lodi, Manteca, Lathrop, Tracy, and the unincorporated areas of San Joaquin County
TARGET MARKET:	HTR residential and underserved small commercial customers/all customers of target area
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$673,246

PROGRAM DESCRIPTION:

This program offers one-stop shopping approach to comprehensive energy efficiency program support, including: (1) comprehensive outreach service in partnership with the cities of San Joaquin County; (2) energy audit service; (3) assistance in identification of programs to help implement improvements; (4) assistance in contractor selection; (5) hand-holding through the implementation process; (6) quality assurance checks of installations. Besides these elements the program offers small business seminar and vendor training sessions to facilitate knowledge about energy efficiency benefits, applications and products.

PROGRAM MODIFICATIONS:

None

PROGRAM BUDGETS AND TARGETS:

Targets for this information-only program include: (1) 500 facility audits; (2) 100 installation Assistance/Quality Checks; (3) 6 small business seminars; (4) 6 local vendor training sessions; (4) events presentations; (5) website information support; (6) four rounds of direct mailers (50,000 each) to targeted audiences

30. KEMA XENERGY**Enhanced Automation Initiative – 1287-04, 1289-04**

PROGRAM IMPLEMENTER(S):	Kema-Xenergy
PROPOSED SUBCONTRACTOR(S):	
IOU SERVICE TERRITORY:	SCE – 1289-04 PG&E – 1287-04
GEOGRAPHIC AREA:	Territory wide

TARGET MARKET:	Very large non-residential
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 749,407 PG&E: \$ 726,621 Total: \$ 1,476,028

PROGRAM DESCRIPTION:

This program will promote enhanced automation and more efficient energy management systems (EMS) in large non-residential customers. The targeted customers are office buildings, campuses, public institutions, and schools, and must have over 1 MW of peak demand under an energy management system. The program will promote the most efficient use of the ESM's through marketing, education and training. The program will also provide financial incentives in the form of free EMS assessments, vendor proposal review and stipends, and incentives for EMS reprogramming and or hardware improvements.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets (kWh)	Demand Reduction Targets (kW)	Energy Reduction Targets (Therms)	Hard-to-Reach Targets
SCE	\$ 749,407	3,600,000	1,220	88,000	
PG&E	\$ 726,621	3,600,000	1,220	88,000	
TOTAL	\$ 1,476,028	7,200,000	2,440	176,000	

31. KEMA XENERGY**Long Beach Business Energy Services Team (BEST) - 1310-04**

PROGRAM IMPLEMENTER(S):	KEMA XENERGY
PROPOSED SUBCONTRACTOR(S):	None
IOU SERVICE TERRITORY:	SCE
GEOGRAPHIC AREA:	Communities in the City of Long Beach
TARGET MARKET:	Hard-to-Reach Small & Very Small Businesses
IOU CONTRACT ADMINISTRATOR:	SCE

APPROVED BUDGET	\$1,649,497
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PROGRAM DESCRIPTION:

This is a continuation of the 2002-2003 B.E.S.T. incentive program. It will continue a turnkey marketing and implementation process that takes customers from interest and intent to actual installation of targeted measures that include CFLs (screw-in & hardwired), fluorescent measures (retrofit & delamped). LED exit signs, lighting controls, custom lighting, window film, programmable thermostats, refrigeration measures, and custom electric/gas measures.

PROGRAM MODIFICATIONS:

None.

PROGRAM BUDGET AND TARGETS:

	Program Budget	Energy Reduction Target (kWh)	Demand Reduction Target (kW))	Energy Reduction Target (Therms)	Hard-to-Reach Target
SCE	\$1,649,497	6,545,232	3,429	20,064	

32. KEMA-XENERGY**EEGOV Business Energy Services (B.E.S.T) Team Program – 1281-04 and 1333-04**

PROGRAM IMPLEMENTER(S):	KEMA-XENERGY
PROPOSED SUBCONTRACTOR(S):	None
IOU SERVICE TERRITORY:	SCE – 1333-04 PG&E – 1281-04
GEOGRAPHIC AREA:	Program to recruit partner cities located in areas other than the LA Basin in SCE service territory. Program to recruit partner cities located in areas other than the San Francisco Bay area or Sacramento in the PG&E service territory
TARGET MARKET:	Hard-to-reach small and very small businesses (100 kW or less)
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$2,197,377 PG&E: \$2,197,377

	Total: \$4,394,754
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PROGRAM DESCRIPTION:

This program creates partnerships with cities with a relatively large nonresidential HTR population to expand and strengthen local government programs and promote energy efficiency among small and very small businesses in the community. The B.E.S.T. program utilizes a turnkey approach in which education, financial incentives and equipment procurement and installation are provided to minimize customer hassle and transaction costs. HTR businesses are targeted to the maximum effect with door-to-door marketing.

Participants are offered high incentives yielding low per-unit costs and a 1-year payback period to install targeted measures such including lighting upgrades, refrigeration measures and custom electric and gas measures. The program will reserve funds per measure category to ensure a mix of measures.

PROGRAM MODIFICATIONS:

This program is approved without modification for the SCE and PG&E service territories.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SCE	\$2,197,377	8,711,058	4,563	26,703	66% of participants
PG&E	\$2,197,377	8,711,058	4,563	26,703	66% of participants
TOTAL	\$4,394,754	17,422,116	9,126	53,406	66% of participants

33. Navigant Consulting, Inc.**Prototype Community Energy Efficiency Programs –
1241-04, 1242-04**

PROGRAM IMPLEMENTER(S):	Navigant Consulting, Inc
PROPOSED SUBCONTRACTOR(S):	
IOU SERVICE TERRITORY:	PG&E – 1241-04 SCE – 1242-04

GEOGRAPHIC AREA:	
TARGET MARKET:	Local governments—counties, cities, and special agencies
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET by SERVICE TERRITORY	PG&E : \$ 1,473,668 SCE: \$ 1,473,668 TOTAL: \$ 2,947,336

PROGRAM DESCRIPTION:

Navigant Consulting, Inc. will aid local county and city governments to identify, select, and implement programs and policies to promote and achieve aggressive energy efficiency programs. It will also work with selected community agencies and other stakeholders to keep them informed about funding opportunities and innovative legislative initiatives, which can help them increase their control over their energy futures.

PROGRAM BUDGETS AND TARGETS:

The program goals for each participating local government include;

- 1) A scoping workshop with a broad group of stakeholders to identify the energy efficiency opportunities available to the local government.
- 2) A screening workshop with a smaller steering committee to develop and refine the energy efficiency programs that are most feasible for the local government
- 3) Year long pilot projects in three diverse local jurisdictions to assist the local government in implementing energy efficiency programs and policies.
- 4) Marketing of the results of the pilot programs and the related Prototype Community Energy Efficiency workbook to other local jurisdictions.

34. Portland Energy Conservation Inc. Retrocommissioning Program – 1381-04

PROGRAM IMPLEMENTER(S):	Portland Energy Conservation Inc.
PROPOSED SUBCONTRACTOR(S):	Architectural Energy Corporation
IOU SERVICE TERRITORY:	SDG&E – 1381-04
GEOGRAPHIC AREA:	San Diego: Primarily Urban Areas

TARGET MARKET:	Nonresidential: Commercial Buildings (primarily those over 100,000 sq ft with high electricity use)
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET	\$ 1,168,185

PROGRAM DESCRIPTION:

This program will provide technical guidance and oversight, training and incentives for what has become known in the energy efficiency community as “retrocommissioning.” Retrocommissioning entails the improvement and optimization of building mechanical equipment, lighting, and lighting and equipment controls. At the same time, optimization of how equipment operates and interacts within a given building, or on a system level, is an underlying objective of retrocommissioning projects. This program will develop retrocommissioning protocols, provide building operator and commissioning contractor trainings, and implement building operations tracking systems. The program will qualify and train commissioning providers and offer incentives for commissioning work that is undertaken by those providers who are selected and trained, and whose work is overseen by this program.

PROGRAM MODIFICATIONS:

This program was proposed as a statewide program and is being accepted only for SDG&E’s service territory. As SDREO will be running a program that will be targeting governmental buildings in San Diego, this program should concentrate on commercial buildings, as the proposal seems to suggest it will.

It is not clear from the proposal that the intent is to require that commissioning providers complete the training provided by this program. All commissioning providers who participate in the program shall be required to complete the training that is detailed in the proposal, not only the orientation. It does not appear that training is currently scheduled often enough to accommodate this. Retrocommissioning Training should be provided after all program orientation sessions are made available. Program should not be recruiting additional commissioning providers if no training sessions will be available. The training and recruitment schedule will need to be adjusted accordingly and a revised proposal filed that includes that change.

In addition, when the revised proposal is filed, PECI will need to provide more specific details about how much cost sharing will be expected from the customers receiving services under this program. The full cost of the services rendered by the commission providers will also need to be disclosed to the administering IOU as supporting documentation with invoices.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Square Feet Target	Hard to Reach Target
SDG&E	\$ 1,168,185	6,224,400	780	3, 120,000	30% of facilities serviced to be leased

35. Portland Energy Conservation Inc.**Energy Smart Grocer – 1290-04, 1291-04 and 1314--04**

PROGRAM IMPLEMENTER(S):	Portland Energy Conservation Inc.	
PROPOSED SUBCONTRACTOR(S):	Architectural Energy Corporation kW Engineering	
IOU SERVICE TERRITORY:	SCE –1290-04 SDG&E – 1291-04 PG&E – 1314-04	
GEOGRAPHIC AREA:	Grocers within above service territories, with 10-15% of buildings in rural areas.	
TARGET MARKET:	Food handling businesses, including grocers, convenience stores, specialty markets and processors.	
IOU CONTRACT ADMINISTRATOR:	SDG&E	
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$2,743,888 SDG&E: \$1,166,339 PG&E: \$3,566,307 Total: \$7,476,534	

PROGRAM DESCRIPTION:

This program provides grocers and food-handling businesses with audits and information to encourage investment in energy efficient equipment. Participants in the approved service territories are provided with individual energy savings reports and the direct installation of CFL's, low-cost refrigeration and vending measures and plug load monitors. The program provides assistance to facility owners who choose to invest in energy efficient technologies, including

contractor bidding, technical consultation, rebate processing and ongoing support to contractors to fill service gaps in the grocer industry. This program will coordinate with other programs such as Express Efficiency and Standard Performance Contracting without duplication of efforts.

PROGRAM MODIFICATIONS:

This program is approved without modification for the SCE, SDG&E and PG&E service territories.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SCE	\$2,743,888	21,713,534	3,013	NA	10-15% of participants
SDG&E	\$1,166,339	9,229,731	1,281	NA	10-15% of participants
PG&E	\$3,566,307	28,221,676	3,916	NA	10-15% of participants
TOTAL	\$7,476,534	59,164,941	8,210	NA	10-15% of participants

**36. Quantum Consulting, Inc
California Wastewater Process Optimization Program –
1159-04, 1165-04**

PROGRAM IMPLEMENTER(S):	Quantum Consulting, Inc.
PROPOSED SUBCONTRACTOR(S):	BacGen Technologies
IOU SERVICE TERRITORY:	SDG&E – 1165-04 PG&E – 1159-04
GEOGRAPHIC AREA:	PG&E (outside of San Francisco Bay Area and Sacramento) and SDG&E (outside of the City of San Diego) service territories
TARGET MARKET:	Non-residential hard-to-reach wastewater treatment facilities
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET by	SDG&E: \$ 454,661

SERVICE TERRITORY	PG&E: \$ 1,034,290
	Total: \$ 1,448,951

PROGRAM DESCRIPTION:

This program focuses on bringing energy efficiency savings to wastewater treatment plants, including municipal, institutional, and agricultural facilities, that process up to 15 million gallons per day of wastewater. The program will conduct audits of wastewater treatment facilities, install “hard” monitoring, control, and equipment measures, and train staff in facilities optimization to bring about energy savings at currently energy inefficient wastewater treatment facilities.

PROGRAM MODIFICATIONS:

There are no program changes proposed or adopted for 2004 and 2005.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Targets
SDG&E	\$ 454,661	2,449,800	250	0	See plan
PG&E	\$ 1,034,290	5,732,800	586	0	See plan
TOTAL	\$ 1,488,951	8,182,600	836		

37. Quantum Consulting, Inc

Building Tune-Up Program – 1117-04, 1119-04

PROGRAM IMPLEMENTER(S):	Quantum Consulting, Inc.
PROPOSED SUBCONTRACTOR(S):	See Plan
IOU SERVICE TERRITORY:	SCE – 1117-04 PG&E – 1119-04
GEOGRAPHIC AREA:	SCE and PG&E service territory
TARGET MARKET:	Nonresidential, medium and large commercial and industrial buildings
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET by SERVICE TERRITORY	SCE: \$ 3,641,526 PG&E: \$ 3,641,526 Total: \$ 7,283,052

PROGRAM DESCRIPTION:

This building retro-commissioning program consists of identifying and implementing changes in building operations and related hardware to reduce energy use. The tune-ups involve use of specific test procedures designed to identify and optimize energy performance of a building's existing system.

PROGRAM MODIFICATIONS:

There are no program changes proposed or adopted for 2004 and 2005.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Targets
SCE	\$ 3,641,526	37,295,960	10,228	1,241,850	See Plan
PG&E	\$ 3,641,526	36,713,744	10,068	1,328,718	See Plan
TOTAL	\$ 7,283,052	74,009,104	20,296	2,570,568	

*Minimum expectations based upon budget, and pending program implementation plan finalization

38. Redwood Coast Energy Authority Redwood Coast Regional Comprehensive Energy Information and Education Program – 1416-04

PROGRAM IMPLEMENTER(S):	Redwood Coast Energy Authority
PROPOSED SUBCONTRACTOR(S):	Local Government Commission K. J. Kammerer & Associates
IOU SERVICE TERRITORY:	PG&E – 1416-04
GEOGRAPHIC AREA:	Humboldt County, including the cities of Arcata, Blue Lake, Eureka, Ferndale, Fortuna, Trinidad, and Rio Dell
TARGET MARKET:	All residential and non-residential PG&E customers in Humboldt County
IOU CONTRACT ADMINISTRATOR:	PG&E
BUDGET APPROVED	\$953,746

PROGRAM DESCRIPTION:

This information-only program provides comprehensive energy efficiency educational services and trainings tailored to local industry and needs. This

program will provide a local resource to complement statewide marketing, educational, and incentive-based programs and to provide energy efficiency information to hard-to-reach residential and non-residential customers in this remote and largely rural county. The Redwood Coast Energy Center, funded through this program, will also help local governments develop policies, ordinances, and incentives to encourage energy efficiency within the county.

PROGRAM MODIFICATIONS:

The requested budget is approved in its entirety. The Redwood Coast Energy Authority budgeted \$92,138 for financial incentives for residential measures, which is not appropriate for this education and training program. We therefore require the Redwood Coast Energy Authority to reallocate the \$92,138 to direct program implementation and provide a detailed breakdown, with a complete itemization in accordance with the various tasks and activities proposed under the program.

PROGRAM BUDGETS AND TARGETS:

Program goals include:

- Conduct at least 14 trainings sessions – four for the public sector, six for businesses, and four for residential customers.
- Have at least 75% of member agencies adopt energy efficiency policies.
- Conduct at least two Title 24 training sessions -- one for permitting officials and one for local industry stakeholders.
- Develop a two-tiered utility allowance and have it adopted by at least one local housing authority.

39. Richard Heath & Associates, Inc
Small Nonresidential Energy Fitness Program – 1409-04

PROGRAM IMPLEMENTER(S):	Richard Heath & Associates, Inc.
PROPOSED SUBCONTRACTOR(S):	
IOU SERVICE TERRITORY:	PG&E – 1409-04
GEOGRAPHIC AREA:	Rural northern Sacramento Valley area - Butte, Glenn, Tehama, Sutter, Yuba, and Shasta counties
TARGET MARKET:	Very small and small, nonresidential hard-to-reach customers
IOU CONTRACT ADMINISTRATOR:	PG&E

APPROVED BUDGET	\$ 2,000,000
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PROGRAM DESCRIPTION:

This program is a continuation of RHA's 2002-2003 program in the northern Sacramento Valley (Chico) area. The program provides direct installation of cost-effective energy conservation measures (lighting, thermostats) at no cost to the target customers. For the 2004-2005 program, RHA will also add air conditioning and tune up operation and maintenance measure to be piloted to owner-occupied businesses to test the programmatic and delivery effectiveness of this measure on 100 split-HVAC units. The Energy Fitness Program will qualify and enroll customers, conduct initial and in-depth energy audits, install cost-effective energy conservation measures, and produce a final Energy Fitness Report. Those who desire to install additional recommended measures will be assisted in finding qualified contractors, locating financing opportunities, and participation in other third-party and utility-sponsored energy programs.

PROGRAM MODIFICATIONS:

The program was proposed with a total budget of \$2,966,283. We approve the program at a reduced budget of \$2,000,000, which is comparable to the amount previously authorized in 2002-2003. We require RHA to submit a revised budget with supporting details showing how various cost items were derived. RHA should explain and provide support to the administrative and other labor costs shown in the budget worksheet (e.g., allocation rate and allocation base, if applicable). RHA should also provide breakdown for the financial incentives, installation costs, and incremental measure costs per business shown in the workbook. In addition, RHA should explain its use of a 9-year end-user life (EUL) value to the energy conservation measure package, even though it is comprised of several components such as CFLs, LED Exit Signs, T-8s and electronic ballasts, delamping, and other measures.

PROGRAM BUDGETS AND TARGETS:

The following are the energy savings targets for this program.

	Program Budget	Energy Reduction Targets (kWh)*	Demand Reduction Targets (kW)*	Energy Reduction Targets (Therms)
PG&E	\$ 2,000,000	7,341,001	1,540	0

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

Other program goals include:

Number of Site-Visits	1,680 very small and small,
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	hard-to-reach businesses
Number of Final Energy Fitness Reports	1,680 reports
HVAC Tune-Ups	100 AC Units

40. RLW Analytics

Energy Savers Program – 1085-04

PROGRAM IMPLEMENTER(S):	RLW Analytics
PROPOSED SUBCONTRACTOR(S):	Association of Bay Area Governments California Air-conditioning Contractors of America Geltz Communications
IOU SERVICE TERRITORY:	PG&E – 1085-04
GEOGRAPHIC AREA:	Sonoma, Marin, Lake, Solano, and Napa counties
TARGET MARKET:	Very small, small, and medium non-residential
IOU CONTRACT ADMINISTRATOR:	PG&E
BUDGET APPROVED	\$2,549,436

PROGRAM DESCRIPTION:

This incentive-based program provides energy audits and efficiency measures for very small, small and some medium-sized businesses. Comprehensive energy audits are free for program participants. Matching funds are provided for installation of energy efficient lighting and programmable thermostats, tune-ups of air-conditioners and refrigeration systems, and replacement of heating, ventilation, and air-conditioning (HVAC) systems for the small number of customers with failing units. Very small and small businesses will be the primary targets for all aspects of this program and only these customers will be eligible for HVAC replacement, thermostat, and refrigeration measures.

PROGRAM MODIFICATIONS:

No modifications are required.

PROGRAM BUDGETS AND TARGETS:

Program Budget	Energy Reduction (kWh)	Demand Reduction (kW)	Free Audits	Hard-to-Reach Targets
\$2,549,436	7,072,625	2,416	1,000	80% of customers

41. Robert Mowris & Associates
RCA (Refrigerant Charge and Airflow) Verification Program for
New Air Conditioners – 1385-04, 1395-04, 1437-04

PROGRAM IMPLEMENTER(S):	Robert Mowris & Associates
PROPOSED SUBCONTRACTOR(S):	Alpen Software (for software, database, information) Barry Goldstein (for incentive fulfillment)
IOU SERVICE TERRITORY:	SCE – 1385-04 PG&E – 1395-04 SDG&E – 1437-04
GEOGRAPHIC AREA:	SCE, PG&E & SDG&E service territories with large peak cooling loads that would benefit most from AC efficiency improvement
TARGET MARKET:	HVAC Contractors for hard-to-reach (HTR) Residential and Small Commercial Customers
IOU CONTRACT ADMINISTRATOR:	SCE
APPROVED BUDGET	SCE: \$ 604,640 PG&E: \$ 808,539 SDG&E: \$ 254,621 Total: \$1,667,800

PROGRAM DESCRIPTION:

This is a hardware/incentive program that provides in-field training and upstream incentives to air conditioner contractors. The program includes computer diagnostic software that quickly determines whether or not there is a problem with RCA and then provides expert recommendations for correcting problems.

PROGRAM MODIFICATION:

None.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Target* (kWh)	Demand Reduction Target* (kW)	Energy Reduction Target* (Therms)
SCE	\$ 604,640	5,471,720	4,194	0
PG&E	\$ 808,539	4,510,520	4,009	0
SDG&E	\$ 254,621	5,678,200	5,796	0
Total	\$1,667,800	15,660,440	13,999	0

42. SBW Consulting, Inc.
Compressed Air Management Program (CAMP) – 1229-04

PROGRAM IMPLEMENTER(S):	SBW Consulting, Inc.
PROPOSED SUBCONTRACTOR(S):	Accurate Air Engineering Compression Engineering Corp. Ridge and Associates Equipoise
IOU SERVICE TERRITORY:	PG&E – 1229-04
GEOGRAPHIC AREA:	PG&E service territory
TARGET MARKET:	Nonresidential, industrial customers with electric service of 500kW or greater
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$ 1,500,000

PROGRAM DESCRIPTION:

This program is a continuation of the PY 2002-03 Compressed Air Management Program (CAMP) serving large non-residential (primarily manufacturing) customers in the PG&E service territory. CAMP offers free measurement-based performance assessment of compressed air systems. The assessment provides specific recommendations to plant operators and technical follow-up support to help motivate adoption of these recommendations. These recommendations show plant operators how they can achieve and sustain large improvements in the efficiency of their compressed air systems through a combination of capital improvements and better operating and maintenance practices.

PROGRAM MODIFICATIONS:

There are no program changes proposed or adopted for 2004 and 2005.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Other Targets
TOTAL	\$ 1,500,000	10,900,848	960	NA	See Plan

*Minimum expectations based upon reduced budget, and pending program implementation plan finalization

**43. San Diego Regional Energy Partnership
San Diego Region B.E.S.T. (Business Energy Services Team) –
1285-04**

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership
PROPOSED SUBCONTRACTOR(S):	KEMA-XENERGY
IOU SERVICE TERRITORY:	SDG&E – 1285-04
GEOGRAPHIC AREA:	SDG&E Service Territory – Specific Areas to be Determined
TARGET MARKET:	Nonresidential – Small and Very Small
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET	\$ 2,500,000

PROGRAM DESCRIPTION:

This B.E.S.T. Program is a continuation of the 2002–2003 B.E.S.T. Program being run by the San Diego Regional Energy Office. The B.E.S.T. Program targets the *hard-to-reach* (HTR) small and very small businesses (100 kW or less) in the San Diego Area. It provides “turnkey” services that include marketing, energy education, site-specific energy analysis, financial incentives, equipment procurement, and installation. The primary focus of this program is to maximize the implementation of cost-effective high-efficiency lighting measures, while also addressing some HVAC, refrigeration and customized measures. Program staff performs pre- and post-inspections at 100% of the sites to verify equipment installation and energy savings.

SDREO, with the support of KEMA-XENERGY, will administer the B.E.S.T. Program throughout San Diego County. SDREO has formed a partnership with local government partners (LGPs) to target marketing and outreach activities. At this point, a partnership has been formed with the City and County of San Diego, and the Cities of Carlsbad, Chula Vista, Escondido and Oceanside.

PROGRAM MODIFICATIONS:

The budget has been reduced from that proposed, and proportional reductions to energy savings targets have been made.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SDG&E	\$ 2,500,000	9,737,377	5,157	29,745	60% of Sites Served (Primarily Leased Space)

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

44. San Diego Regional Energy Partnership San Diego Energy Resource Center – 1303-04

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership
PROPOSED SUBCONTRACTOR(S):	KEMA-XENERGY City of San Diego
IOU SERVICE TERRITORY:	SDG&E – 1303-04
GEOGRAPHIC AREA:	SDG&E Service Territory
TARGET MARKET:	Crosscutting – Information and Education
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET by SERVICE TERRITORY	SDG&E: \$ 2,403,560

PROGRAM DESCRIPTION:

The SDERC was created under the auspices of the California Public Utilities Commission in the 2002/2003 funding cycle as San Diego's first one-stop energy information source. The SDERC provides energy information to residential and nonresidential market segments and acts as a conduit for all entities that offer public purpose programs. Additional funding will be used to add new customer-requested features and augment the current offerings. The new features include Community Outreach and Technical Assistance.

The SDERC currently features an energy Learning Center, Technology Center and online resources. SDERC staff includes energy professionals who provide energy efficiency information and assistance via a telephone hotline, e-mail, and in-person.

PROGRAM MODIFICATIONS:

None. The program is approved as proposed.

**45. San Diego Regional Energy Partnership
San Diego Regional Cool Communities Shade Tree Program –
1306-04**

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership
PROPOSED SUBCONTRACTOR(S):	People for Trees
IOU SERVICE TERRITORY:	SDG&E –1306-04
GEOGRAPHIC AREA:	San Diego County
TARGET MARKET:	Crosscutting: Residential and Small Nonresidential Comprehensive Retrofit
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET by SERVICE TERRITORY	SDG&E: \$1,864,924

PROGRAM DESCRIPTION:

This is a continuation of a program approved by the Commission for program years 2002 and 2003. The primary objective of this program is to plant 17,000 trees throughout San Diego County by the end of 2005. People for Trees (PFT) and cities throughout the County will assist SDREO in facilitating and supporting shade tree planting in residential neighborhoods and on school grounds throughout the entire county. The proposed shade tree program is designed to work primarily through San Diego based community and volunteer organizations such as People for Trees. The program seeks to educate residential customers about the energy saving benefits of trees and organize community tree plantings in large groups (100 per event- average) with a total goal of 17,000 trees over a two-year period. The basis as well as guidelines for this local shade tree program have been developed through analysis of similar programs implemented in other parts of the state including the Los Angeles Department of Water and Power's (LADWP) Trees for a Green LA and the Sacramento

Municipal Utility District's (SMUD) Sacramento Shade Tree Program. Program modifications have been made based on SDREO's experience with their 2002-2003 SDREO Cool Communities Shade Tree Program.

PROGRAM MODIFICATIONS:

None. The program is approved as proposed.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Number of Trees to be Planted
SDG&E	\$1,864,924	2,104,752	2,429	17,000

**46. San Diego Regional Energy Partnership
Local Government Program – 1301-04**

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership
PROPOSED SUBCONTRACTOR(S):	
IOU SERVICE TERRITORY:	SDG&E – 1301-04
GEOGRAPHIC AREA:	San Diego County
TARGET MARKET:	Non-residential businesses and government facilities
IOU CONTRACT ADMINISTRATOR:	SDG&E
BUDGET APPROVED	\$2,500,000

PROGRAM DESCRIPTION:

This program will provide rebates for energy efficiency upgrades to city and county owned government buildings in San Diego County. The rebates will be structured on a per kWh or per therm basis, and will be provided only upon calculation of energy savings each retrofitted site. Expected retrofit measures rebated under this program include but are not limited to, lighting, HVAC, and operational upgrades.

PROGRAM MODIFICATIONS:

This program should develop a coordinated budget with the SDREP Technical Assistance Program to ensure the most efficient expenditure of incentive versus information/outreach/technical assistance funds. This program should also coordinate closely with all the non-residential incentive programs in the San Diego area to ensure that there is no overlap or double dipping between programs.

This program should coordinate with SDG&E's Energy Saver Bid program to ensure there is no overlap in the government facilities they are both targeting.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SDG&E	\$2,500,000	4,005,335	401	106,809	

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

47. San Diego Regional Energy Partnership Technical Assistance Program – 1304-04

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership
PROPOSED SUBCONTRACTOR(S):	
IOU SERVICE TERRITORY:	SDG&E – 1304-04
GEOGRAPHIC AREA:	San Diego County
TARGET MARKET:	Non-residential businesses and government facilities
IOU CONTRACT ADMINISTRATOR:	SDG&E
BUDGET APPROVED	\$1,500,000

PROGRAM DESCRIPTION:

This program will provide technical assistance to local businesses and government agencies interested in implementing energy efficiency upgrades in their facilities. The technical assistance will include development of energy management strategies, facilities audits, and energy management staff education. This program will coordinate with the SDREP Local Government Program's incentive offerings.

PROGRAM MODIFICATIONS:

This program should develop a coordinated budget with the SDREP Local Government Energy Efficiency Program to ensure the most efficient expenditure of incentive versus information/outreach/technical assistance funds. This program should also coordinate closely with all the non-residential incentive programs in the San Diego area to ensure that customers who receive technical assistance from them are aware of the incentives available to them.

This program in conjunction with the SDREP Local Government Energy Efficiency Program should coordinate with SDG&E's Energy Saver Bid program to ensure there is no overlap in the government facilities they are both targeting and to possibly leverage the technical analysis and auditing functions of this program for government facilities that might participate in the SDG&E Energy Saver Bid Program.

PROGRAM BUDGETS AND TARGETS:

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
SDG&E	\$1,500,000	0	0	0	

48. San Diego Regional Energy Partnership Green Action – 1300-04

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership
PROPOSED SUBCONTRACTOR(S):	City of San Diego
IOU SERVICE TERRITORY:	SDG&E – 1300-04
GEOGRAPHIC AREA:	San Diego County
TARGET MARKET:	Crosscutting – High School Students
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET	\$ 352,701

PROGRAM DESCRIPTION:

The GREEN ACTION Program is based on the City of San Diego's existing "Green Schools" Program. This program will work with local high school students and work toward teaching them the importance of energy conservation and the societal impacts from greenhouse gas emissions. The program consists of energy education workshops, energy audit training, direct implementation of energy audits, a youth forum, and a survey designed to compare audience perception with fact regarding energy conservation. The GREEN ACTION Program will expand the current "Green Schools" Program to invite the County of San Diego and the cities of Chula Vista, Oceanside, Escondido, and Carlsbad to participate. Experienced City of San Diego staff will offer "Train the Trainer" workshops to aid the new partners as they begin implementing the program in their jurisdictions.

PROGRAM MODIFICATIONS:

None. This program is approved as proposed.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Number of High School Students Targeted	Number of High Schools Targeted	# of Audits	# of Community Service Projects
SDG&E	\$ 352,701	2,000	40	40	40

49. San Diego Regional Energy Partnership/San Diego Regional Energy Office (SDREO)

The Green Building Education and Technical Assistance (GBETA) Program – 1299-04

PROGRAM IMPLEMENTER(S):	San Diego Regional Energy Partnership/San Diego Regional Energy Office (SDREO)
PROPOSED SUBCONTRACTOR(S):	KEMA XENERGY
IOU SERVICE TERRITORY:	SDG&E – 1299-04
GEOGRAPHIC AREA:	San Diego Gas and Electric service territory, including all of San Diego County and the southern portion of Orange County

TARGET MARKET:	Public and private sector green building projects: focus on non-residential facilities including public agency buildings, such as libraries, fire stations, courthouses and community centers, as well as targeted private sector commercial facilities
IOU CONTRACT ADMINISTRATOR:	SDG&E
APPROVED BUDGET	\$ 423,966

PROGRAM DESCRIPTION:

The Green Building Education and Technical Assistance (GBETA) Program is an information program providing training, design assistance and technical support for public and private sector green building projects. The program would promote long-term sustainable energy use and peak demand savings by supplementing existing municipal green building program implementation efforts in the San Diego region. The GBETA Program would include both a residential and non-residential component for new construction and major renovation building projects in the San Diego Gas and Electric Company service area. The focus on non-residential facilities would include public agency buildings, such as libraries, fire stations, courthouses and community centers, as well as targeted private sector commercial facilities. The residential focus would target multi-family and affordable housing projects as well as new construction single-family home developments.

PROGRAM MODIFICATIONS:

None

PROGRAM BUDGETS AND TARGETS:

Targets: The Green Building Program stated goals are as follows: (1) 21 training workshops - building professionals and municipal staff (project managers, plan checkers, building inspectors); (2) 20 Base Level Technical Assistance Projects; (3) Minimize participants information and search costs; (4) Lower the participants "first cost"; (5) Educate public on benefits of building and buying "Green." SDREO expects to measure success through participation in trainings, number of Technical Assistance Projects and customer satisfaction.

Budget: \$423,966

50. San Francisco Community Power Cooperative Efficiency on Wheels – 1083-04

PROGRAM IMPLEMENTER(S):	San Francisco Community Power Cooperative
PROPOSED SUBCONTRACTOR(S):	Good Samaritan Family Resource Center North of Market Planning Coalition The Regeneration Project Center Hardware 99 Cent Store
IOU SERVICE TERRITORY:	PG&E – 1083-04
GEOGRAPHIC AREA:	Six San Francisco Communities/Zip Codes: Tenderloin (94102), South of Market (94103), Potrero (94107), Mission (94110), Bayview-Hunters Point (94124), Visitacion Valley, Portola, and Excelsior (94134)
TARGET MARKET:	Crosscutting: Residential, Business and Schools
IOU CONTRACT ADMINISTRATOR:	PG&E
APPROVED BUDGET	\$ 853,753

PROGRAM DESCRIPTION:

This program is designed to run as a sixteen-month energy efficiency program in low-income, hard-to-reach areas of San Francisco. This two-year program will directly install occupancy sensors, vending misers, programmable thermostats, and other energy-saving items as needed depending on each individual case. The program will also educate communities on energy efficiency options for homes and businesses. In the first year of operation, the program will conduct outreach efforts to targeted communities, including marketing energy efficiency programs offered by others (e.g., Pacific Gas and Electric Company), and will implement Power Co-op's "Energy Efficiency on Wheels," in which trained program staff will work targeted neighborhoods, in a manner that they characterize as "similar to an old-fashioned ice cream truck." The Energy Efficiency on Wheels program will directly serve participants' homes and businesses; as well as visit schools and events to distribute energy efficient items. In the second year outreach and implementation efforts will continue, and replicable models will be developed for adoption by other communities.

PROGRAM MODIFICATIONS:

A revised proposal will need to be submitted that makes the following changes before a contract is entered by the administering IOU.

- (1) It appears that this program will only be made available to Power Coop members. While it is acceptable for the implementer to target its initial marketing efforts at Coop members, otherwise eligible customers must be allowed to participate in the program.
- (2) Not all of the energy savings assumptions are well-documented. An assumption that needs further documentation, and likely adjustment, is that power strips will be used to turn off equipment 70% of the time.
- (3) In addition, labor rates appear to be loaded. These will need to be broken out according to the current reporting requirements.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)	Hard-to-Reach Targets
PG&E	\$ 853,753	3,904,800	901	91,200	100%

*Minimum expectations based upon reduced budget, pending program implementation plan finalization

51. SESCO, Inc.**Gas Only Multi-Family Program - South – 1338-04**

PROGRAM IMPLEMENTER(S):	SESCO, Inc.
PROPOSED SUBCONTRACTOR(S):	Energx Controls, Inc. Quality Conservation Services, Inc.
IOU SERVICE TERRITORY:	SoCalGas – 1338-04
GEOGRAPHIC AREA:	Non-IOU Electric Service Areas: City of Anaheim, City of Azusa, City of Banning, City of Burbank, City of Colton, City of Glendale, City of Lompoc, City of Pasadena, City of Riverside, City of Vernon, Imperial Irrigation District, Los Angeles DWP, Southern California Water Co.
TARGET MARKET:	Residential - Multifamily
IOU CONTRACT ADMINISTRATOR:	SoCalGas

APPROVED BUDGET	\$ 2,472,643
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PROGRAM DESCRIPTION:

This is a hardware program that will provide gas energy savings assistance for the hard-to-reach multifamily (MF) market category of those customers of Southern California Gas Company (SoCalGas) which are **not** located within the service area of an IOU electric company. The Gas-Only Multifamily Program will provide for **comprehensive** residential energy efficiency renovations and retrofits by offering cash incentives and services to apartment tenants and owner/operators for the installation of all energy efficiency measures that SoCalGas has determined in its recent filings to be cost-effective under its evaluation of this market. To assure that the program primarily benefits the tenants, property owners will be **required to install all cost-effective gas savings “tenant” measures** within the dwellings in order to receive any “common area” incentives.

PROGRAM MODIFICATIONS:

The budget for this program was cut from that proposed and a proportional adjustment was made to the therms savings goal. As was required when this program ran during PY2002 and 2003, no more than a combined total of 50% of expenditures on incentives may go toward the replacement of faucet aerators and showerheads. This revision along with specifications for the measures that will be installed as well as those that are eligible to be replaced must also be included in a revised proposal before the administering IOU is authorized to enter a contract for this program.

PROGRAM BUDGETS AND TARGETS:

The following table is a summary of some of the key objectives of this program. The proposal should be consulted for a complete description of the program design and objectives.

	Program Budget	Energy Reduction Targets* (kWh)	Demand Reduction Targets* (kW)	Energy Reduction Targets* (Therms)
SoCalGas	\$2,472,643	0	0	1,190,953

*Minimum expectations based upon reduced budget, pending program implementation plan finalization